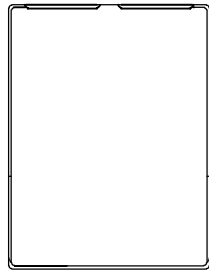
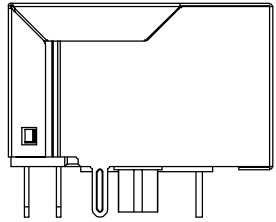


REACH & RoHS  
COMPLIANT

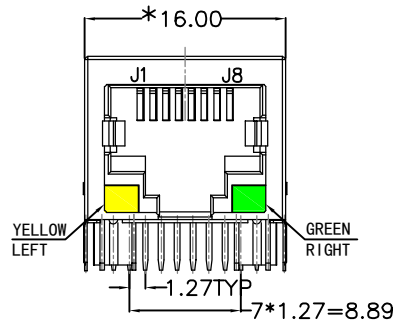
| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | ZG.Hu | 2018.01.09 |



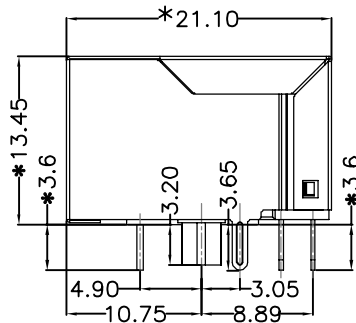
TOP VIEW



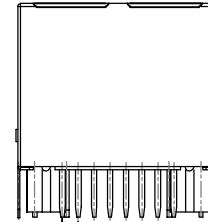
LEFT SIDE VIEW



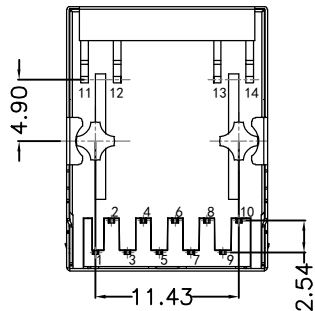
FRONT VIEW



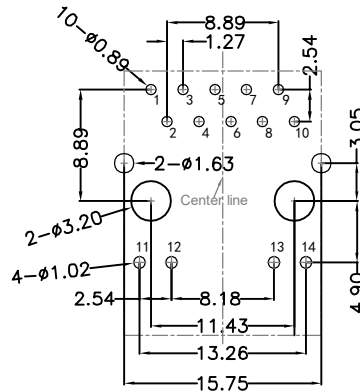
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PBT,UL94V-0,BLACK.

TERMINALS BRACKET: PBT,UL94V-0,BLACK.

SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.

TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
6U" GOLD PLATING ON CONTACT AREA.

**MECHANICAL:**

DURABILITY : 750 CYCLES MIN.

MATING FORCE : 23N MAX.

OPERATING TEMPERATURE: -40°C~+85°C.

STORAGE TEMPERATURE: -40°C~+85°C.

ALL CRITICAL DIMENSIONS WITH "\*"

**DGKYD**

东莞市科优达电子科技有限公司  
Dong Guan Ke You Da Electronic Tech.Co.,Ltd

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Tel:+86-0769-87334608; Fax:+86-0769-87847129 WWW.DGKYD.COM

TITLE:

TAB-DOWN 1X1 1000BASE

PART NO.:

DGKYD111Q070BB1A1D

REMARK:

SIZE

A4

SACLE

1:1

SHEET

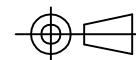
1/4

UNITS

MM[INCH]

REV

A0



GENERAL TOLERANCES

UNLESS SPECIFIED

x±0.35

.x±0.30

.xx±0.25

.xxx±0.10

x°±3.0°

.x°±2.0°

.xx°±1.5°

.xxx°±1.0°

APPROVED BY:

JP.Gong

CHECKED BY:

TW.Xu

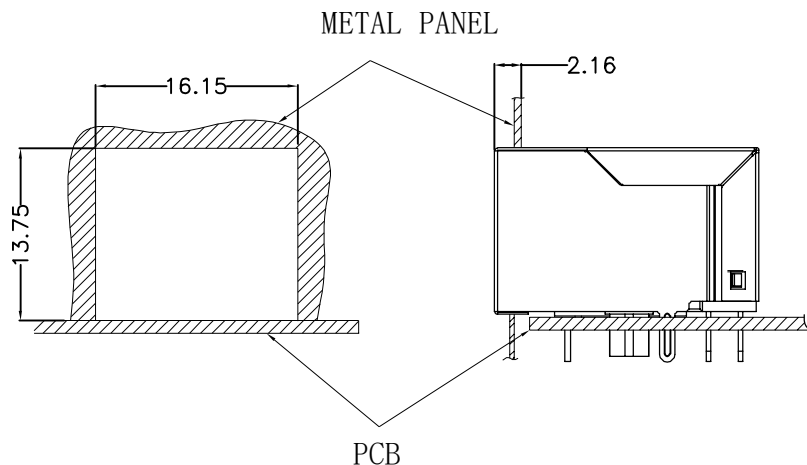
DESIGND BY:

ZG.Hu

REACH & RoHS  
COMPLIANT

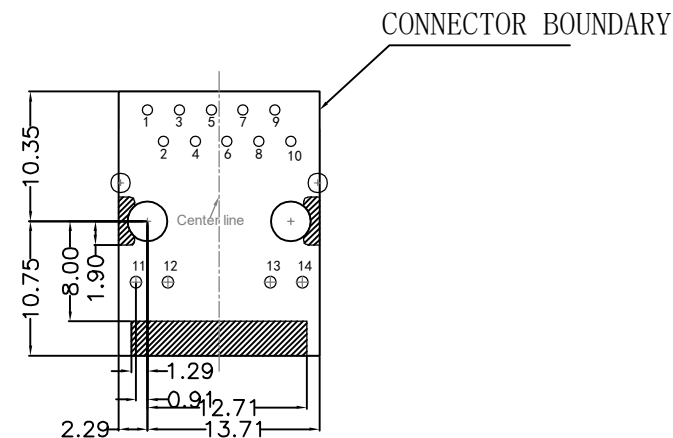
| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | ZG.Hu | 2018.01.09 |

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY):



UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004  
REFERENCE ONLY

KEEP-OUT AREA (COMPONENT SIDE VIEW):



PLUG-IN SIDE

UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004

DGKYD

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TITLE:  
TAB-DOWN 1X1 1000BASE

PART NO.:  
DGKYD111Q070BB1A1D

REMARK:

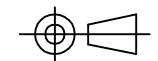
SIZE  
A4

SACLE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|                 |                            |
|-----------------|----------------------------|
| $x \pm 0.35$    | $x^\circ \pm 3.0^\circ$    |
| $.x \pm 0.30$   | $.x^\circ \pm 2.0^\circ$   |
| $.xx \pm 0.25$  | $.xx^\circ \pm 1.5^\circ$  |
| $.xxx \pm 0.10$ | $.xxx^\circ \pm 1.0^\circ$ |

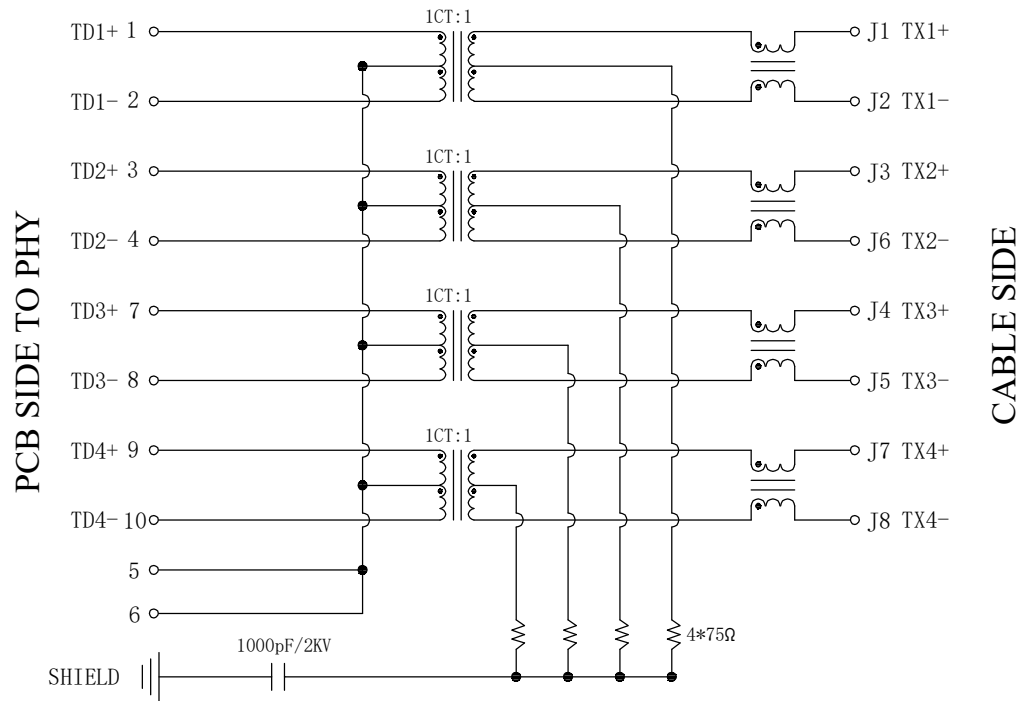
APPROVED BY:  
JP.Gong

CHECKED BY:  
TW.Xu

DESIGN BY:  
ZG.Hu

REACH & RoHS  
COMPLIANT

| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | ZG.Hu | 2018.01.09 |

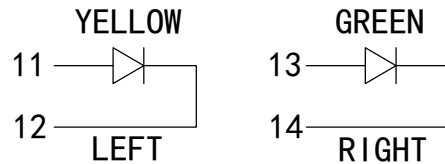


### Electrical:

- Turn ratio: 1~2: J1~J2=1CT:1CT( $\pm 2\%$ ).  
3~4: J3~J6=1CT:1CT( $\pm 2\%$ ).  
7~8: J4~J5=1CT:1CT( $\pm 2\%$ ).  
9~10: J7~J8=1CT:1CT( $\pm 2\%$ ).
- OCL: 350uH Min.at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -18dB Min 1~30MHz;  
-14dB Min 30~60MHz.  
-12dB Min 60~80MHz.  
-10dB Min 80~100MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC

### LED Specification

| Standard LED Color | LED Wavelength | Foward(A) | Foward(V)  |
|--------------------|----------------|-----------|------------|
| Green              | 568nm          | 20mA      | 1.85-2.45V |
| Yellow             | 585nm          | 20mA      | 1.7-2.2V   |



# DGKYD

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TITLE:  
TAB-DOWN 1X1 1000BASE

PART NO.:  
DGKYD111Q070BB1A1D

REMARK:

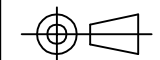
SIZE  
A4

SACLE  
1:1

SHEET  
3/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|                 |                            |
|-----------------|----------------------------|
| $x \pm 0.35$    | $x^\circ \pm 3.0^\circ$    |
| $.x \pm 0.30$   | $.x^\circ \pm 2.0^\circ$   |
| $.xx \pm 0.25$  | $.xx^\circ \pm 1.5^\circ$  |
| $.xxx \pm 0.10$ | $.xxx^\circ \pm 1.0^\circ$ |

APPROVED BY:  
JP.Gong

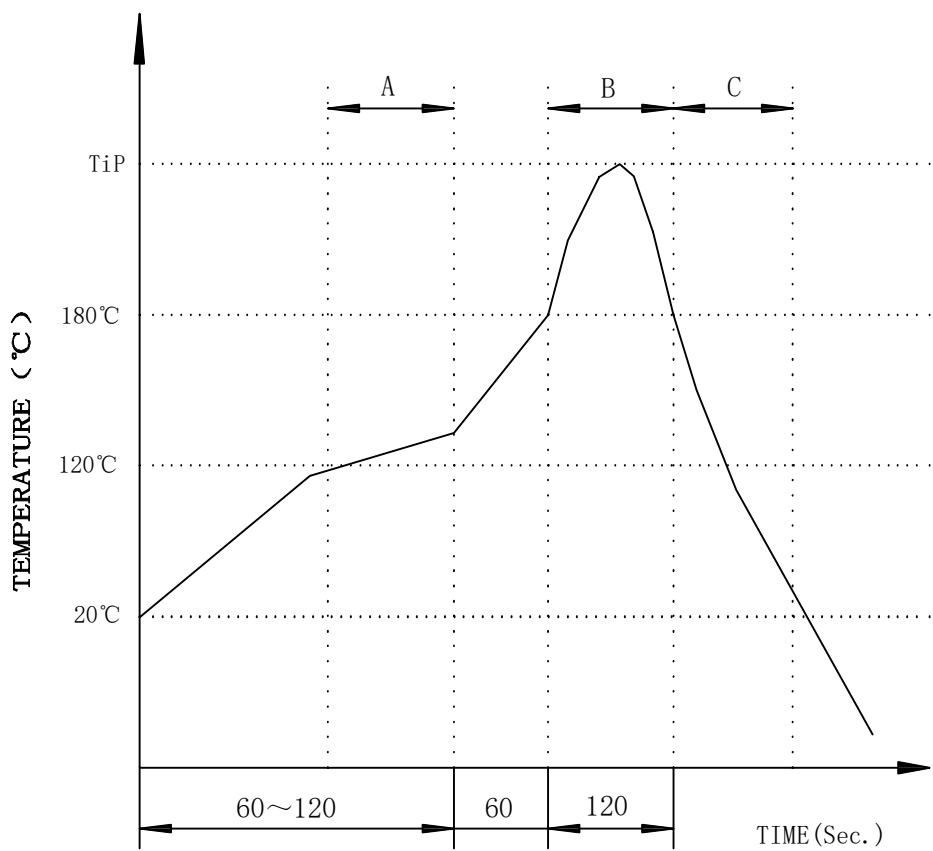
CHECKED BY:  
TW.Xu

DESIGND BY:  
ZG.Hu

PROFILE OF WAVE SOLDER

REACH & RoHS  
COMPLIANT

| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | ZG.Hu | 2018.01.09 |



A.Preheating B.Soldering C.Gradual Cooling  
Tip temperature:260±5°C.  
Tip temperature time:5Sec Max.  
Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

|   |                                                                                                                                                                                                                                                                        |                                 |              |                   |                                        |            |                         |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|-------------------|----------------------------------------|------------|-------------------------|
| A | <div>DGKYD</div> <div>东莞市科优达电子科技有限公司</div> <div>Dong Guan Ke You Da Electronic Tech.Co.,Ltd</div> <div>ADD : No.1 LiHe Street,LiHeng Village,Qingxi town, DongGuan City,GuangDong Province</div> <div>Tel:+86-0769-87334608; Fax:+86-0769-87847129 WWW.DGKYD.COM</div> | TITLE:<br>TAB-DOWN 1X1 1000BASE | SIZE<br>A4   | UNITS<br>MM[INCH] | GENERAL TOLERANCES<br>UNLESS SPECIFIED |            | APPROVED BY:<br>JP.Gong |
|   |                                                                                                                                                                                                                                                                        | PART NO.:<br>DGKYD111Q070BB1A1D | SACLE<br>1:1 | REV<br>A0         | x±0.35                                 | x°±3.0°    | CHECKED BY:             |
|   |                                                                                                                                                                                                                                                                        | REMARK:                         | SHEET<br>4/4 |                   | .x±0.30                                | .x°±2.0°   | DESIGND BY:             |
|   |                                                                                                                                                                                                                                                                        |                                 |              |                   | .xx±0.25                               | .xx°±1.5°  |                         |
|   |                                                                                                                                                                                                                                                                        |                                 |              |                   | .xxx±0.10                              | .xxx°±1.0° | ZG.Hu                   |